



Atty Dkt No. 0251.02

COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

FORM PTO-1449 (Modified)
LIST OF PATENTS AND PUBLICATIONS
FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)
Sheet 1 of 8

In the Application of TAMADA et al.

Serial No.: 10/643,631

Art Unit: Unassigned *1655*

Filed: August 18, 2003

Examiner: Unassigned

Title: COMPOSITION AND METHODS FOR ENHANCMENT OF TRANSDERMAL ANALYTE FLUX

U.S. PATENT DOCUMENTS

| Exam .Init. | Ref. Desig. | Document No. | Date | Name | Class | Sub- Class | Filing Date |
|----------------|----------------|--------------|--------------------|------------------|-------|---------------|----------------|
| <i>166</i> | AA-1 | 4,020,830 | May 3, 1977 | Johnson et al. | | | |
| | AA-2 | 4,200,098 | April 29, 1980 | Ayer et al. | | | |
| | AA-3 | 4,406,827 | September 27, 1983 | Carim | | | |
| | AA-4 | 4,474,570 | October 2, 1984 | Ariura et al. | | | |
| | AA-5 | 4,492,622 | January 8, 1985 | Kuypers | | | |
| | AA-6 | 4,684,558 | August 4, 1987 | Keusch et al. | | | |
| | AA-7 | 4,702,732 | October 27, 1987 | Powers et al. | | | |
| | AA-8 | 4,706,680 | November 17, 1987 | Keusch et al. | | | |
| | AA-9 | 4,722,726 | February 2, 1988 | Sanderson et al. | | | |
| <i>✓</i> | AA-10 | 4,722,761 | February 2, 1988 | Cartmell et al. | | | |

Examiner:

R. G. Roman

Date Considered:

2/6/06

EXAMINER: Initial if citation considered whether or not the citation conforms with MPEP609. Draw a line through the citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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Title: COMPOSITION AND METHODS FOR ENHANCEMENT OF TRANSDERMAL ANALYTE FLUX

| | | | | | | | |
|-----------|-------|-----------|-------------------|---------------------|--|--|--|
| <i>16</i> | AA-11 | 4,731,049 | March 15, 1988 | Parsi | | | |
| | AA-12 | 4,764,164 | August 16, 1988 | Sasaki | | | |
| | AA-13 | 4,777,954 | October 18, 1988 | Keusch et al. | | | |
| | AA-14 | 4,968,297 | November 6, 1990 | Jacobsen et al. | | | |
| | AA-15 | 4,989,607 | February 5, 1991 | Keusch et al. | | | |
| | AA-16 | 5,036,861 | August 6, 1991 | Sembrowich et al. | | | |
| | AA-17 | 5,037,380 | August 6, 1991 | Jacobsen et al. | | | |
| | AA-18 | 5,057,072 | October 15, 1991 | Phipps | | | |
| | AA-19 | 5,069,908 | October 3, 1991 | Henley | | | |
| | AA-20 | 5,076,273 | December 31, 1991 | Schoendorfer et al. | | | |
| | AA-21 | 5,134,057 | July 28, 1992 | Kuypers et al. | | | |
| | AA-22 | 5,140,985 | August 25, 1992 | Schroeder et al. | | | |
| <i>✓</i> | AA-23 | 5,143,071 | September 1, 1992 | Keusch et al. | | | |

Examiner: *R. G. Sommen* Date Considered: *2/6/06*

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| | | | | | | | |
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| 176 | AA-24 | 5,152,758 | October 6, 1992 | Kaetsu et al. | | | |
| | AA-25 | 5,205,297 | April 27, 1993 | Montecalvo et al. | | | |
| | AA-26 | 5,279,543 | January 18, 1994 | Glikfeld et al. | | | |
| | AA-27 | 5,291,887 | March 8, 1994 | Stanley et al. | | | |
| | AA-28 | 5,330,527 | April 26, 1993 | Montecalvo et al. | | | |
| | AA-29 | 5,340,722 | August 23, 1994 | Wolfbeis et al. | | | |
| | AA-30 | 5,354,790 | October 11, 1994 | Keusch et al. | | | |
| | AA-31 | 5,362,307 | November 8, 1994 | Guy et al. | | | |
| | AA-32 | 5,362,308 | November 8, 1994 | Chen et al. | | | |
| | AA-33 | 5,405,366 | April 11, 1995 | Fox et al. | | | |
| | AA-34 | 5,428,123 | June 27, 1995 | Ward et al. | | | |
| | AA-35 | 5,636,632 | June 10, 1997 | Bommannan et al. | | | |
| | AA-36 | 5,651,869 | July 29, 1997 | Yoshioka et al. | | | |

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R. G. Roman

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|-----------|-------|-----------|--------------------|---------------|--|--|--|
| <i>Re</i> | AA-37 | 5,730,714 | March 24, 1998 | Guy et al. | | | |
| | AA-38 | 5,735,273 | April 7, 1998 | Kurnik et al. | | | |
| | AA-39 | 5,771,890 | June 30, 1998 | Tamada | | | |
| | AA-40 | 5,786,216 | July 28, 1998 | Dionne et al. | | | |
| | AA-41 | 5,823,957 | October 20, 1998 | Faupel et al. | | | |
| | AA-42 | 5,827,183 | October 27, 1998 | Kurnik et al. | | | |
| | AA-43 | 5,954,685 | September 21, 1999 | Tierney | | | |
| | AA-44 | 5,965,380 | October 12, 1999 | Heller et al. | | | |
| | AA-45 | 5,989,409 | November 23, 1999 | Kurnik et al. | | | |
| | AA-46 | 6,023,629 | February 8, 2000 | Tamada | | | |
| | AA-47 | 6,083,710 | July 4, 2000 | Heller et al. | | | |
| <i>✓</i> | AA-48 | 6,121,009 | September 19, 2000 | Heller et al. | | | |
| | AA-49 | 6,139,718 | October 31, 2000 | Kurnik et al. | | | |

Examiner:

R. G. Brown

Date Considered:

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| | | | | | | | |
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| RG | AA-50 | 6,162,611 | December 19, 2000 | Heller et al. | | | |
| 1 | AA-51 | 6,299,578 | October 9, 2001 | Kurnik et al. | | | |
| | AA-52 | 6,393,318 | May 21, 2002 | Conn et al. | | | |
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| Exam. Init. | Ref. Desig. | Document No. | Publication Date | Country or Patent Office | Class | Sub-Class | Translation YES NO | |
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| RG | AB-1 | EP 0 304 304 | February 22, 1989 | EPO | | | | |
| | AB-2 | EP 0 539 625 | May 5, 1993 | EPO | | | | |
| | AB-3 | EP 0 942 278 | September 15, 1999 | EPO | | | | |
| | AB-4 | WO 91/12772 | September 5, 1991 | PCT | | | | |
| | AB-5 | WO 92/07619 | May 14, 1992 | PCT | | | | |
| | AB-6 | WO 92/10234 | June 25, 1992 | PCT | | | | |
| ✓ | AB-7 | WO 93/10163 | May 27, 1993 | PCT | | | | |

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RG CROMER

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|-----------|-------|-------------|-------------------|-----|--|--|--|--|
| <i>RG</i> | AB-8 | WO 95/02357 | January 26, 1995 | PCT | | | | |
| | AB-9 | WO 96/00109 | January 4, 1996 | PCT | | | | |
| | AB-19 | WO 96/00110 | January 4, 1996 | PCT | | | | |
| | AB-11 | WO 97/02811 | January 30, 1997 | PCT | | | | |
| | AB-12 | WO 97/10499 | March 20, 1997 | PCT | | | | |
| | AB-13 | WO 97/24059 | July 10, 1997 | PCT | | | | |
| | AB-14 | WO 97/38126 | October 16, 1997 | PCT | | | | |
| | AB-15 | WO 97/42882 | November 20, 1997 | PCT | | | | |
| | AB-16 | WO 97/42885 | November 20, 1997 | PCT | | | | |
| | AB-17 | WO 97/42886 | November 20, 1997 | PCT | | | | |
| | AB-18 | WO 97/42888 | November 20, 1997 | PCT | | | | |
| | AB-19 | WO 97/43962 | November 27, 1997 | PCT | | | | |
| <i>Y</i> | AB-20 | WO 99/58190 | November 18, 1999 | PCT | | | | |

Examiner:

RGitomer

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2/6/04

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OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

| Exam. Init. | Ref. Desig. | Description |
|-------------|-------------|--|
| <u>RG</u> | AC-1 | Abstract of JP 56137899, Published 10/28/81 |
| | AC-2 | Albin et al., "Theoretical and Experimental Studies of Glucose Sensitive Membranes," <i>Journal of Controlled Release</i> <u>6</u> :267-291 (1987) |
| | AC-3 | Allcock et al., "Activity of Urea Amidohydrolase Immobilized Within Poly[di(methoxyethoxyethoxy)phosphazene] Hydrogels," <i>Biomaterials</i> <u>15</u> (7):502-506 (1994) |
| | AC-4 | Asakura et al., "Immobilization of Glucose Oxidase on Nonwoven Fabrics with Bombyx mori Silk Fibroin Gel," <i>Journal of Applied Chemistry</i> <u>46</u> (1):49-53 (1992) |
| | AC-5 | D'Urso et al., "Poly(ethylene glycol)-Serum Albumin Hydrogel as Matrix for Enzyme Immobilization: Biomedical Applications," <i>Art. Cells. Blood Subs., and Immob. Biotech.</i> <u>23</u> (5):587-595 (1995) |
| | AC-6 | Glikfeld et al., "Noninvasive Sampling of Biological Fluids by Iontophoresis," <i>Pharm. Res. (US)</i> <u>6</u> (11):988-990 (1989) |
| | AC-7 | Heller et al., "Controlled Drug Release by Polymer Dissolution II: Enzyme-mediated Delivery Device," <i>J. Pharmaceut. Sci.</i> <u>68</u> (7):919-921 (1979) |
| <u>Y</u> | AC-8 | Kalisz, H. M., et al., "Purification of the Glycoprotein Glucose Oxidase From <i>Penicillium amagasakiense</i> by High-Performance Liquid Chromatography," <i>Journal of Chromatography</i> <u>521</u> :245-250 (1990) |

Examiner:

R. Gutman

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2/6/05

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| Exam. Init. | Ref. Desig. | Description |
|-------------|-------------|---|
| <u>RG</u> | AC-9 | Kost et al., "Glucose Sensitibe Membranes Containing Glucose Oxidase: Activity, Swelling, and Permeability Studies," <i>J. Biomed. Materials Res.</i> <u>19</u> (9):1117-1133(1985) |
| | AC-10 | Lesho, et al, "A Photopatterned Glucose Responsive Hydrogel for Use in a Conductimetric Sensor", Materials Research Society Symposium Proceedings, 1994, Vol. 331, pages 193-198 |
| | AC-11 | Meyerhoff et al., "On Line Continuous Monitoring of Subcutaneous Tissue Glucose in Men by Combining Portable Glucosensor with Microdialysis," <i>Diabetologia (Germany)</i> <u>35</u> (11):1087-1092 (1992) |
| | AC-12 | Newman,J.D., et al., "Catalytic Materials, Membranes, and Fabrication Technologies Suitable for the Construction of Amperometric Biosensors," <i>Analytical Chemistry</i> <u>67</u> :4594-4599 (1995) |
| | AC-13 | Tamada et al., "Noninvasive Glucose Monitoring," <i>JAMA</i> <u>282</u> (19):1839-1844 (1999) |
| | AC-14 | Updike et al., "The Enzyme Electrode," <i>Nature</i> <u>214</u> :956-958 (1967) |
| | AC-15 | Wang, Joseph, "Permselective Coatings for Amperometric Biosensing," Chapter 10 in ACS Symposium Series No. 487 <i>American Chemical Society</i> (1992) |
| <u>Y</u> | AC-16 | Welfle, Dr. K., et al., "Glucose Oxidase of <i>Penicillium notatum</i> . Purification, Stability and Hydrodynamic Properties," <i>Studia Biophysica</i> <u>138</u> (3):245-260 (1990). |

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RG Tomen

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